

# Poly

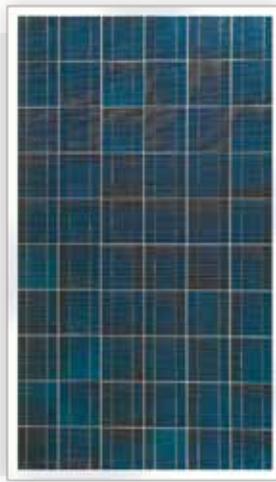
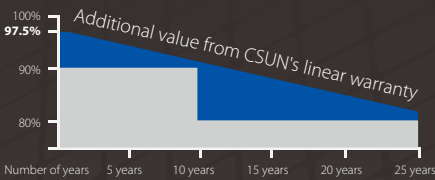


## Powerguard insurance global coverage

Within the first year, the output power shall not be less than 97.5% of the minimum output power in CSUN's product datasheet, thereafter the loss of output power shall not exceed 0.7% per year, ending with 80.7% in the 25th year.

■ CSUN    ■ Standard warranty

CSUN's **NEW** linear performance warranty



# CSUN255-60P

The Commercial installation offer

**15.71%**  
Module efficiency



Industry leading conversion efficiency

**255W**  
Highest power output



Positive tolerance offer

**10 year**  
Material & Workmanship warranty



Coastal condition: certified for salt/ammonia corrosion resistance

**25 year**  
Linear power output warranty



Load certificates: wind to 2400 Pa and snow to 7200 Pa



Excellent performance under low light conditions



Good Temperature Coefficient enables higher output in high temperature regions

- China Sunergy (Nanjing) Co., Ltd. (NASDAQ: CSUN), established in 2004, is a hi-tech corporation with its core business in R&D, manufacturing, and sale of high efficiency silicon based solar cells and modules.
- As one of the leading PV enterprises in the world, CSUN has delivered more than 1GW solar products, to residential, commercial, utility and off-grid projects all around the world.
- Through strict selection of raw materials, stringent quality control and rigorous test in state of the art facilities in Nanjing and Shanghai, CSUN has always committed to higher efficiency, more stable and better cost performance products.

\* Note: All specifications, warranties, certifications about module of "CSUN" series also apply to that of "SST".

All information and data are subject to change without notice.



D13328EN

[www.chinasunergy.com](http://www.chinasunergy.com)



## Electrical characteristics at Standard Test Conditions(STC)

|                             |              |
|-----------------------------|--------------|
| Module type                 | CSUN 250-60P |
| Pmpp [W]                    | 250          |
| Voc [V]                     | 37.3         |
| Isc [A]                     | 8.81         |
| Vmpp [V]                    | 29.9         |
| Impp [A]                    | 8.36         |
| Practical module efficiency | 17.12%       |
| Module efficiency           | 15.40%       |

Standard Test Conditions(STC): irradiance 1000W/m<sup>2</sup>; AM 1.5; cell temperature 25°C. Measuring uncertainty of power is within ±3%. Tolerance of Pmpp:0~+3%. Certified in accordance with IEC61215,IEC61730-1/2 and UL1703.

## Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

|                                 |              |
|---------------------------------|--------------|
| Module type                     | CSUN 250-60P |
| Maximum Power-Pmax              | 185          |
| Maximum Power Voltage-Vmp(V)    | 34.5         |
| Maximum Power Current-Impp(A)   | 7.10         |
| Open Circuit Voltage(V)-Voc(V)  | 27.9         |
| Short Circuit Current(A)-Isc(A) | 6.64         |

Normal Operating Cell Temperature(NOCT):irradiance 800W/m<sup>2</sup>; wind speed 1m/s; cell temperature 45°C; ambient temperature 20°C. Measuring uncertainty of power is within ±3%. Certified in accordance with IEC61215,IEC61730-1/2 and UL1703.

## Temperature Characteristics

|                                 |           |
|---------------------------------|-----------|
| Voltage Temperature Coefficient | -0.292%/K |
| Current Temperature Coefficient | +0.045%/K |
| Power Temperature Coefficient   | -0.408%/K |

## Maximum Ratings

|                           |      |
|---------------------------|------|
| Maximum system voltage(V) | 1000 |
| Series fuse rating(A)     | 20   |

## Mechanical Characteristics

|                    |  |
|--------------------|--|
| Dimensions         | 1640×990×40mm(L×W×H)   |
| Weight             | 19.1kg   |
| Frame              | Anodized aluminum profile  |
| Front glass        | White toughened safety glass, 3.2mm                                  |
| Cell Encapsulation | EVA(Ethylene-Vinyl-Acetate)  |
| Back Sheet         | composite film   |
| Cells              | 6×10 pieces polycrystalline solar cells series strings (156mm×156mm) |
| Junction Box       | with 6bypass diodes  |
| Cable              | length 900mm,1×4mm <sup>2</sup>                                      |

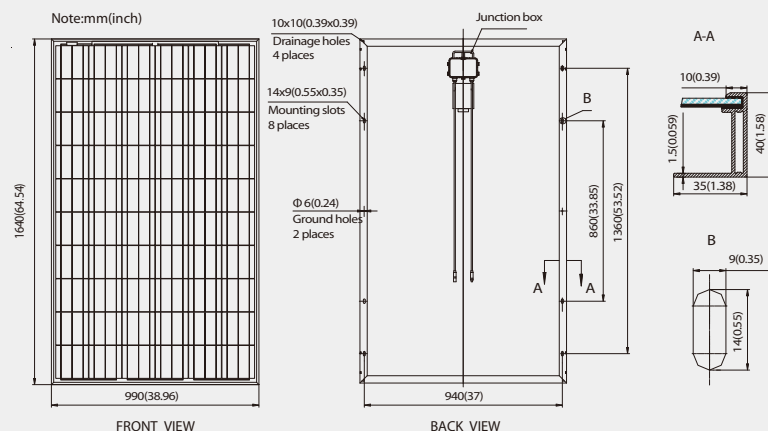
## Packaging

|                   |               |
|-------------------|---------------|
| Dimensions(L×W×H) | 1640×990×40mm |
| Container 20'     | 300           |
| Container 20'HC   | 324           |
| Container 40'     | 700           |
| Container 40'HC   | 756           |

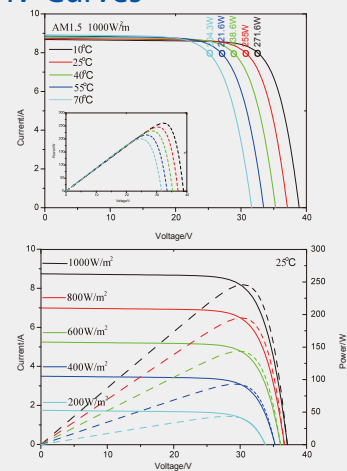
## System Design

|                               |  |
|-------------------------------|--|
| Temperature range             | -40°Cto+85°C   |
| Hail                          | maximum diameter of 25mm with impact speed of 23m/s(51.2mph) |
| Maximum surface load capacity | 7200pa   |

## Dimensions



## IV-Curves



Excellent performance under weak light condition.